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[PDF] ► **Design issues in mobile-agent programming systems**

NM Karnik, AR Tripathi - IEEE concurrency, 1998 - Citeseer

... This makes the application's task of **tracking its agents** more ... may be needed for metering of **resource usage**, such as the CPU time used by an **agent** or the ...

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Sumatra: A language for resource-aware mobile programs- ► ktupm.edu.sa [PDF]

A Acharya, M Ranganathan, J Saltz - Lecture Notes in Computer Science, 1997 - Springer

... **Agent-Tcl** [15], Telescript [26] and Aglets [20] **use a go-based ... implemented within the interpreter by activating counters that keep track of resource usage.** ...

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D'Agents: Security in a multiple-language, mobile-agent system- ► dartmouth.edu [PDF]

RS Gray, D Kotz, G Cybenko, D Rus - Lecture Notes in Computer Science, 1998 - Springer

... In addition, it is **active use at numerous academic and ... Now the agent is on the destination machine and can interact with that machine's resources without any ...**

Cited by 194 - Related articles - BL Direct - All 22 versions

Strong mobility and fine-grained resource control in NOMADS- ► soton.ac.uk [PDF]

N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Lecture Notes in Computer Science, 2000 - Springer

... Third, **tracking of resource usage enables accounting and billing mechanisms that hosts may use to calculate charges for resident agents.** ...

Cited by 106 - Related articles - BL Direct - All 17 versions

[PDF] ► **Information-driven dynamic sensor collaboration for tracking applications**

F Zhao, J Shin, J Reich - IEEE Signal Processing Magazine, 2002 - cs.brown.edu

... 2. **Track quality: Tracking errors, track length, robustness against sensing gaps.** ... 5. **Resource usage: Power/bandwidth consumption.** ...

Cited by 443 - Related articles - View as HTML - BL Direct - All 17 versions

Sold!: Auction methods for multirobot coordination- ► stanford.edu [PDF]

BP Gerkey, MJ Mataric - IEEE Transactions on Robotics and Automation, 2002 - ieeexplore.ieee.org

... small box of a certain color and **use tactile bumpers ... monitored by an automated tasking agent that was ... able devices, then made the proper resource subscriptions ...**

Cited by 336 - Related articles - BL Direct - All 16 versions

Reflections on the nature of multi-agent coordination and its implications for an agent ...-

► umass.edu [PDF]

VR Lesser - Autonomous Agents and Multi-Agent Systems, 1998 - Springer

... term environmental conditions such as **resource availability and ... 2 contains components that agents use to execute ... must contain the local agent scheduling and ...**

Cited by 153 - Related articles - BL Direct - All 18 versions

Condor-G: A computation management agent for multi-institutional grids- ► ucy.ac.cy [PDF]

J Frey, T Tannenbaum, M Livny, I Foster, S ... - Cluster Computing, 2002 - Springer

... multi-functional user computa- tion management **agent responsible for resource discov- ery ... environment issues are addressed via the use of mobile ...**

Cited by 966 - Related articles - BL Direct - All 53 versions

Mobile agents- ► [kfupm.edu.sa](#) [PDF]

K Rothemiel, M Schwehm - Proceedings of the 1st International Workshop, 1997 - [eprints.kfupm.edu.sa](#)
... In classes for creating, transmitting and manipulating agent processes. ... Telescope provides an infrastructure for tracking and charging resource usage. ...

Cited by 94 - Related articles - View as HTML - All 11 versions

Agent Tcl: Targeting the needs of mobile computers

D Kotz, R Gray, S Nog, D Rus, S Chawla, G ... - IEEE Internet Computing, 1997 - [ieeexplore.ieee.org](#)
... The server keeps track of the agents running on its ... the memory manager might limit an agent to 100 ... In addition to absolute limits on resource use, we plan to ...

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D'Agents: applications and performance of a mobile-agent system- ► [dartmouth.edu](#) [PDF]

RS Gray, G Cybenko, D Kotz, RA Peterson, D ... - Software: Practice and Experience, 2002 - [interscience.wiley.com](#)
... for authentication and privacy of moving agents, enforces limits on resource usage, and is based around a high-performance, multi-threaded agent server. ...

Cited by 124 - Related articles - BL Direct - All 22 versions

Cooperative multiagent systems: a personal view of the state of the heart- ► [kfupm.edu.sa](#) [PDF]

VR Lesser - IEEE Transactions on Knowledge and Data ... 1999 - [ieeexplore.ieee.org](#)
... data bases are more adaptable for use in a ... subproblems that have varying information and resource requirements. The agent then pieces together at runtime a set ...

Cited by 171 - Related articles - BL Direct - All 15 versions

Moving furniture with teams of autonomous robots- ► [kfupm.edu.sa](#) [PDF]

D Rus, B Donald, J Jennings - 1995 IEEE/RSJ International Conference on ..., 1995 - [ieeexplore.ieee.org](#)
... have different degrees of parallelism, synchrony, and resource utilization ... (For example, we can use a potential ... which no pushing action by any agent will result ...

Cited by 98 - Related articles - All 26 versions

A distributed resource management architecture that supports advance reservations and co- ... -

► [udel.edu](#) [PDF]

I Foster, C Kesselman, C Lee, B Lindell, K ... - Quality of Service, 1999. IWQoS'99. 1999 Seventh ..., 1999 - [ieeexplore.ieee.org](#)

... The use of these calls is illustrated in Figure 4 ... constructed by the co-reservation agent; the 'R ... CreateReservation (resource-manager-contact, reservation ...

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Challenges in the migration to 4G mobile systems- ► [upatras.gr](#) [PDF]

SY Hui, KH Yeung - IEEE Communications Magazine, 2003 - [ieeexplore.ieee.org](#)
... Positioning System (GPS) for tracking her current ... them use mobile agents, but some do not [10 ... with respect to speed, accuracy, resource usage, and convenience ...

Cited by 188 - Related articles - BL Direct - All 8 versions

[PDF] ► Network-aware mobile programs

M Ranganathan, A Acharya, S Sharma, J ... - Proceedings of the USENIX 1997 Annual Technical ..., 1997 - [nsl.nist.gov](#)
... programs can successfully use mobility to ... and for adapting to variations in resources. ... movement and to amortize the cost of moving and tracking individual objects ...

Cited by 153 - Related articles - View as HTML - All 22 versions

Multi-sensor management for information fusion: issues and approaches- ► [psu.edu](#) [PDF]

N Xiong, P Svensson - Information fusion, 2002 - Elsevier

... benefits of earlier detection, improved **tracking**, and more ... on communication in the network of **agents**, in which ... and control of sensor **resource usage** to enhance ...

Cited by 95 - Related articles - All 9 versions

Mobile **agent** middleware for mobile computing

P Bellavista, A Corradi, C Stefanelli - Computer, 2001 - ieeexplore.ieee.org

... of mobile terminals, dynamic rebinding of **resources** and services ... We generally **use** care-of solutions, discovery services ... An **agent** at a fixed location can act as ...

Cited by 145 - Related articles - BL Direct - All 7 versions

[book] The commercial **use** of biodiversity: access to genetic **resources** and benefit-sharing

K Ten Kate, SA Laird - 2002 - books.google.com

... **Products** in Pesticide Discovery and **Use** 193 7.5 ... Protection **Products** Derived from Genetic **Resources** 194 7.6 ... and DiPel ; Two Biological Control **Agents** Used in ...

Cited by 200 - Related articles - All 3 versions

A monitoring sensor management system for grid environments- ▶ psu.edu (pdf)

B Tierney, B Crowley, D Gunter, J Lee, M ... - Cluster Computing, 2001 - Springer

... domain can decide if they want to **use** locally maintained ... s identity and the name of the **resource** the user ... of the Identity Certificates for each **agent** to which ...

Cited by 129 - Related articles - BL Direct - All 27 versions

Agent-oriented technology in support of e-business- ▶ vxu.se (pdf)

MP Papazoglou - Communications of the ACM, 2001 - portal.acm.org

... Entry to an enterprise **resource** planning (ERP) system checking ... first defines how enterprises should **use** XML to ... **Agent** support for e-commerce business may, for ...

Cited by 146 - Related articles - BL Direct - All 8 versions

Cooperating mobile **agents** for dynamic network routing- ▶ kfupm.edu.sa (pdf)

N Minar, K Hultman, KP Mass - in Software **Agents** for Future Communication Systems, 1999 - eprints.kfupm.edu.sa

... is as a set of necessary tradeoffs between finite **resources**. ... to reduce power consumption and maximize the **use** of a ... to see that often the random **agent** does not ...

Cited by 139 - Related articles - View as HTML - All 3 versions

Spiders as biological control **agents**

SE Riechert, T Lockley - Annual Review of Entomology, 1984 - Annual Reviews

... CONTROL **AGENTS** I ... has been paid in this country to their possible **use** in insect ... maintain its numbers below levels set by potentially limiting **resources** such as ...

Cited by 238 - Related articles - All 2 versions

Compute power market: Towards a market-oriented grid- ▶ buyya.com (pdf)

R Buyya, S Vazhkudai - The First IEEE/ACM International Symposium on ..., 2000 - doi.ieeecomputersociety.org

... It is also responsible for **tracking** duplicates, ie, limiting one market ... and Steer computations 8. Perform load profiling for future **usage** ... Market **Resource Agent** ...

Cited by 93 - Related articles - All 14 versions

Experiences with an architecture for intelligent, reactive **agents**- ▶ kfupm.edu.sa (pdf)

RP Bonasso, RJ Firby, E Gat, D Kortenkamp, ... - Journal of Experimental & Theoretical Artificial ..., 1997 - informaworld.com

... if a RAP starts doing look-ahead search, **resource** allocation or **agent** selection, then it ... The 0 nal dimension that we **use** for dividing a task is the ...

Cited by 503 - Related articles - BL Direct - All 7 versions

Distributed constraint satisfaction for formalizing distributed problem solving

M Yokoo, T Ishida, EH Durfee, K Kuwabara - Distributed Computing Systems, 1992., Proceedings of ..., 1992 -

ieeexplore.ieee.org

... as DCSPPs by viewing each task or **resource** as a ... ob- lete information, and the value sending **agent** should not ... We introduce the **use** of context attachment to deal ...

Cited by 267 - Related articles

[PDF] ► Commitments and conventions: The foundation of coordination in multi-**agent** systems

NR Jennings - Knowledge Engineering Review, 1993 - eprints.acs.soton.ac.uk

... Firstly as **agents** are **resource** bounded, they cannot ... In a social environment, **agents** **use** knowledge of their ... **agent** must find a suitable course of action. ...

Cited by 443 - Related articles - View as HTML - BL Direct - All 14 versions

Using iterative repair to improve responsiveness of planning and scheduling- ► nasa.gov [PDF]

S Chien, R Knight, A Stecher, R Sherwood, ... - Proceedings of the Fifth International Conference on ..., 2000 - aaai.org

... the planner for the Remote **Agent** Experiment (RAX ... state estimation module is responsible for **tracking** sensor data ... estimates for times and **resource** usage, as well ...

Cited by 157 - Related articles - All 23 versions

[PDF] ► A survey of quality of service in mobile computing environments

D Chalmers, M Sloman - IEEE Communications surveys, 1999 - Citeseer

... in predicting and guaranteeing the performability of requests by **tracking** expected ... 9 system **usage**. ... a similar and elegant solution for **resource** reservation and ...

Cited by 210 - Related articles - View as HTML - All 13 versions

Context-aware middleware for **resource** management in the wireless Internet

P Bellavista, A Corradi, R Montanari, C ... - Context, 2003 - doi.ieeecomputersociety.org

... On the one hand, mobility requires **tracking** clients, suggests ... 3.1 Mobile **Agents** for the Design of Mobile ... policies to ensure secure **resource** usage and mobility ...

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